In the Abstract

Please replace the Abstract as presented in the underlying International Application No. PCT/DE2004/00047.

ABSTRACT

~~Disclosed is a~~ A method for transmitting a data word, according to which a codeword supply (CV) is provided, the number of individual codewords (C1...C31) of the supply corresponding at least to the number of data positions (#1...#31) of the data word (DW), the codewords being formed from a basic codeword (C1) by means of cyclical shifting, and the cross correlation function of each codeword (C2...C31) with the basic codeword (C1) having a distinct extreme value, the position of which is characteristic of the individual codeword (C2). An individual codeword (C1) which is combined with the respective date (0) of the data position (#5) so as to obtain a combined result (VE5) relating to the individual data positions, is assigned to each data position (#1) of the data word (DW). The combined results (VE1...VE31) relating to the individual data positions are added in order to obtain a sum word (SW) that is cross-correlated with a reference (R) following transmission, said reference (R) corresponding to the basic codeword (C1) or being created from the basic codeword (C1) by means of cyclical shifting. The respective data (0,1) of the data word (DW), which relates to the individual data positions, is reconstructed from the position and quantity of the values of the obtained correlation function (KKF) by allocating in a fixed manner a corresponding data (0,1) to each value (-6;26).